administration. Cheating in exams includes (but is not limited to) receiving help from anyone or any other outside source, disabling webcams, and unauthorized use of the book, course notes, calculators, phones, or websites.

Missing an Exam: For the weekly tests, no make-up exam will be given under any circumstances. In case a student misses a test for a legitimate approved reason (such as medical emergencies), his score for that test will be determined based on his performance in the remaining tests. If a student misses the final exam for a legitimate approved reason, a make-up final exam will be given.

Attendance: Students are expected to attend all lecture classes.

> ➢ If a student misses a class, he is responsible for any announcement made in that class.
> ➢ A DN grade will be awarded to any student who accumulates
>   ○ 6 unexcused absences in lecture classes.
>   ○ 10 excused and unexcused absences in lecture classes.
> ➢ A student must response to his instructor during the class otherwise he will be considered absent.

Academic Integrity: All KFUPM policies regarding ethics apply to this course. See the Undergraduate Bulletin.

Week	Date	Sec	Material	Homework
1	May.30-June 4	7.6	The Vector Spaces $\mathbb{R}^n$ only	1, 3, 22, 23, 26
		8.2	System of Linear Algebraic Equations	1, 7, 12
		8.3	Rank of a Matrix	8, 9, 10, 14
		8.6	Inverse of a Matrix (Using only Theorem 8.6.4)	1, 2, 19, 30, 52
2	June 7-11	8.8	Eigenvalue Problem	1, 8, 16, 20
		8.10	Orthogonal Matrices (excluding example 4)	5, 8, 9, 16
		8.12	Diagonalization	2, 14, 28
3	June 14-18	Ch 2	Cartesian, Cylindrical and spherical Coordinates Line, Surface and Volume Integrals	2.5, 2.7, 2.17, 2.18, 2.19, 2.20
		Ch 3		3.3, 3.4, 3.5, 3.8, 3.10, 3.11
4	June21- 25	Ch 3	Stokes's Theorem, Divergence Theorem, The Laplacian	3.14, 3.22, 3.23, 3.26, 3.33, 3.38, 3.39, 3.41
		9.9	Independence of Path	2, 4, 6, 12, 15, 22, 25, 26
		Ch 4	Calculation of Potential	Examples 4.11, 4.12(b)
		(4.7)	Application: Electric Potential	
5	June28-July 2	17.1	Complex Numbers	2, 4, 6, 18, 30, 34, 40
		17.2	Powers and Roots	6, 8, 12, 16, 33, 34
		17.3	Sets in complex planes	4, 5, 8, 23
		17.4	Functions of a Complex Variable	6, 8, 10, 12, 14, 21, 32
		17.5	Cauchy Riemann Equations	1, 2, 4, 5, 6, 8, 22
6	July 5-9	17.6	Exponential and Log. Function	2, 4, 8, 13, 28, 32, 47
		17.7	Trigonometric and Hyperbolic Functions	6, 8, 10, 16
		18.1	Contour Integrals	1, 3, 6, 7, 9
		18.2	Cauchy- Goursat Theorem	2, 4, 5, 8, 15
7	July 12-16	18.4	Cauchy Integral Formula	3, 4, 8, 10, 14
		19.2	Taylor Series	2, 4, 6, 12
		19.3	Laurent Series	2, 6, 21, 26, 28
		19.4	Zeros and Poles	2, 4, 6, 10, 16
		19.5	Residue Theorem	1, 2, 8, 10, 22
8	July 19	19.6	Evaluation of Real Integrals	4, 11, 12, 32